

L4 ANSWER 6 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2000:498548 HCAPLUS Full-text
 DOCUMENT NUMBER: 133:252127
 TITLE: An efficient two-step synthesis of mono-, di- and triureas from resin-bound amides
 AUTHOR(S): Nefzi, A.; Ong, N. A.; Houghten, R. A.
 CORPORATE SOURCE: Torrey Pines Institute for Molecular Studies, San Diego, CA, 92121, USA
 SOURCE: Tetrahedron Letters (2000), 41(29), 5441-5446
 CODEN: TELEAY; ISSN: 0040-4039
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 133:252127

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AB An efficient method for the solid-phase synthesis of mono-, di-, and triureas from resin-bound mono-, di-, and triamines is described. The exhaustive reduction of solid support-bound amides generated the requisite amines, which, following treatment with isocyanates and cleavage, provided the corresponding ureas in high purity and good yields.

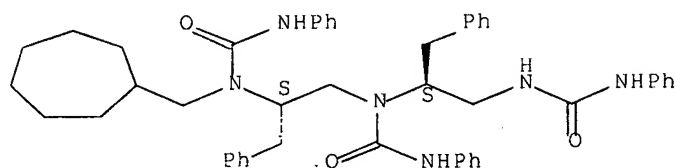
IT 295343-36-1P 295343-38-3P 295343-40-7P
 295343-42-9P 295343-44-1P 295343-47-4P
 295343-48-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (solid-phase synthesis of mono-, di- and triureas from resin-bound amides)

RN 295343-36-1 HCAPLUS

CN Urea, N-[(2S)-2-[(cycloheptylmethyl)[(phenylamino)carbonyl]amino]-3-phenylpropyl]-N'-phenyl-N-[(1S)-2-[(phenylamino)carbonyl]amino]-1-(phenylmethyl)ethyl]- (9CI) (CA INDEX NAME)

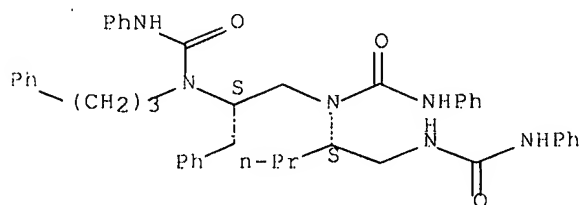
Absolute stereochemistry.



RN 295343-38-3 HCAPLUS

CN Urea, N'-phenyl-N-[(1S)-1-[[[(phenylamino)carbonyl]amino]methyl]butyl]-N-[(2S)-3-phenyl-2-[[[(phenylamino)carbonyl](3-phenylpropyl)amino]propyl]- (9CI) (CA INDEX NAME)

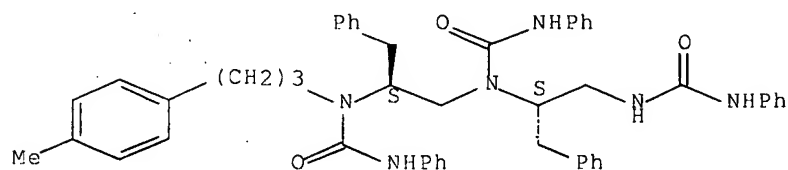
Absolute stereochemistry.



RN 295343-40-7 HCAPLUS

CN Urea, N-[(2S)-2-[[3-(4-methylphenyl)propyl][(phenylamino)carbonyl]amino]-3-phenylpropyl]-N'-phenyl-N-[(1S)-2-[[[(phenylamino)carbonyl]amino]-1-(phenylmethyl)ethyl]- (9CI) (CA INDEX NAME)

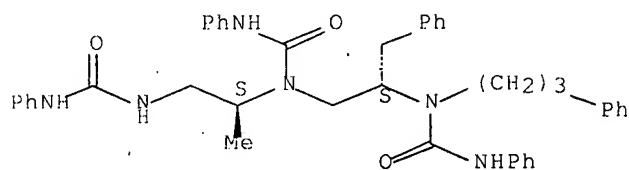
Absolute stereochemistry.



RN 295343-42-9 HCAPLUS

CN Urea, N-[(1S)-1-methyl-2-[[[(phenylamino)carbonyl]amino]ethyl]-N'-phenyl-N-[(2S)-3-phenyl-2-[[[(phenylamino)carbonyl] (3-phenylpropyl)amino]propyl]- (9CI) (CA INDEX NAME)

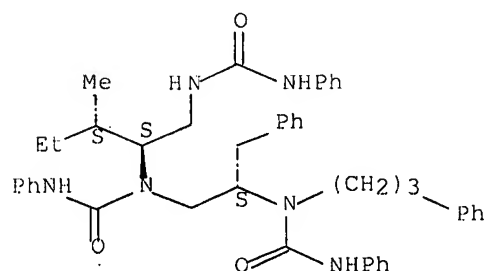
Absolute stereochemistry.



RN 295343-44-1 HCAPLUS

CN Urea, N-[(1S,2S)-2-methyl-1-[[[(phenylamino)carbonyl]amino]methyl]butyl]-N'-phenyl-N-[(2S)-3-phenyl-2-[[[(phenylamino)carbonyl] (3-phenylpropyl)amino]propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

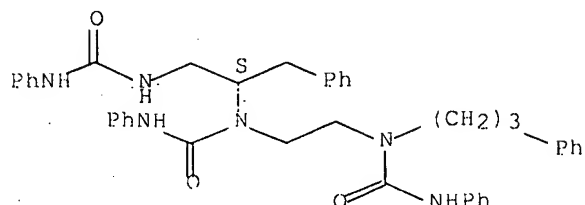


RN 295343-47-4 HCAPLUS

CN Urea, N'-phenyl-N-[(1S)-2-[[[(phenylamino)carbonyl]amino]-1-(phenylmethyl)ethyl]-N-[2-[[[(phenylamino)carbonyl] (3-

phenylpropyl)amino]ethyl]- (9CI) (CA INDEX NAME)

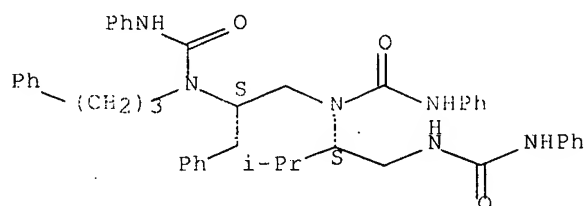
Absolute stereochemistry.



RN 295343-48-5 HCAPLUS

CN Urea, N-[(1S)-2-methyl-1-[[[(phenylamino)carbonyl]amino]methyl]propyl]-N'-phenyl-N-[(2S)-3-phenyl-2-[[[(phenylamino)carbonyl](3-phenylpropyl)amino]propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:268152 HCAPLUS Full-text

DOCUMENT NUMBER: 127:11327

TITLE: Liquid crystalline derivatives of oligoethylene-amines and -amino ethers with amide, ester, urea or urethane functions

AUTHOR(S): Stebani, Uwe; Lattermann, Gunter; Wittenberg, Michael; Wendorff, Joachim Heinz

CORPORATE SOURCE: Makromolekulare Chemie I, Universitat Bayreuth, Bayreuth, D-95440, Germany

SOURCE: Journal of Materials Chemistry (1997), 7(4), 607-614
CODEN: JMACEP; ISSN: 0959-9428

PUBLISHER: Royal Society of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The mesomorphism of diethylenetriamine and triethylenetetramine derivs., substituted with the 3,4-bis(decyloxy)benzoyl group ('two chain' substituent) via amide, ester, urea or urethane moieties, is described. Also, different examples of related linear and cyclic oligoethyleneamino ethers were studied and compared with the mesomorphism of the 1st group. Both lamellar smectic A and hexagonal columnar mesophases can be observed in linear compds., depending on the length of the linear unit. A cyclic derivative displays a cubic phase.